

# SHALE DEVELOPMENT CORPORATION

HYDROCARBON PROCESSES  
OIL PRODUCTION

313 HIGH STREET • P. O. BOX 44  
REDLANDS, CALIFORNIA 92373

December 10, 1982

ACT/ONR/005

STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, UT 84114

ATTN: Pamela Grubaugh-Littig

RE: Sand Wash Project  
Bond Estimate

Dear Mrs. Grugaugh-Littig:

Enclosed you will find the estimate of cost to reclaim the Sand Wash Project. As you had surmised, because most of the equipment and facilities are portable, reclamation is minimal.

The land owners have requested that any roads or leveled areas remain for their use which will minimize reseeding or recontouring.

We trust this is the information you requested.

Very truly yours,

SHALE DEVELOPMENT CORPORATION



Delbert D. Thomas  
President

DDT:cp

cc: Sy Young  
John Frezieres  
Lowell Card

RECEIVED  
DEC 13 1982

DIVISION OF  
OIL, GAS & MINING

# DIVISION OF OIL, GAS, AND MINING

## BOND ESTIMATE

**OPERATOR:** SHALE DEVELOPMENT CORPORATION

**MINE NAME:** Sand Wash Project

**LOCATION:** STATE OF UTAH, SALT LAKE MERIDIAN, TOWNSHIP 11S, Range 18E,

**COUNTY:** Uintah

**DATE:** December 10, 1982

NE $\frac{1}{4}$  Section 29

SE $\frac{1}{4}$  Section 29

SW $\frac{1}{4}$  Section 28 &

NW $\frac{1}{4}$  of Section 33

|    | Operation   | Amount                      | Rate   | Cost      |
|----|---|-----------------------------|--------|-----------|
| A. | <b>CLEAN-UP</b>   |                             |        |           |
|    | 1. Removal of structures & equipment.                                       | LS                          | -0-    | 3500.00   |
|    | 2. Removal of trash & debris.   | LS                          | -0-    | 2500.00   |
|    | 3. Leveling of ancillary facilities pads and access roads.                  | To remain                   | NA     | NA        |
| B. | <b>REGRADING &amp; RECONTOURING</b>   |                             |        |           |
|    | 1. Earthwork including haulage and grading of spoils, waste and overburden. | 5000 cu yds                 | .60    | 3000.00   |
|    | 2. Recontouring of highwalls and excavations.                               | NA                          | NA     | NA        |
|    | 3. Spreading of soil or surficial materials.                                | NA                          | NA     | NA        |
| C. | <b>STABILIZATION</b>  |                             |        |           |
|    | 1. Soil preparation, scarification, fertilization, etc.                     | 5 acres                     | 15.00  | 75.00     |
|    | 2. Seeding or planting.   | 5 acres                     | 20.00  | 100.00    |
|    | 3. Construction of terraces, waterbars, etc.                                | NA                          | NA     | NA        |
| D. | <b>LABOR</b>  |                             |        |           |
|    | 1. Supervision.   | LS                          | -0-    | 1000.00   |
|    | 2. Labor exclusive of bulldozer time.                                       | Include in other categories |        |           |
| E. | <b>SAFETY</b>   |                             |        |           |
|    | 1. Erection of fences, portal coverings, etc.                               | NA                          | NA     | NA        |
|    | 2. Removal or neutralization of explosive or hazardous materials.           | NA                          | NA     | NA        |
| F. | <b>MONITORING</b>   |                             |        |           |
|    | 1. Continuing or periodic monitoring, sampling & testing deemed necessary.  | 8 quarterly trips           | 250.00 | 2000.00   |
| G. | <b>OTHER</b>  |                             |        |           |
|    |   |                             | TOTAL  | 12,175.00 |